

# ALEX CUI

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## EXPERIENCE

- **SmartBot360**, *Undergraduate Researcher* Mar. 2019 - Current
  - Worked as a full stack web developer, while practicing Agile and Kanban as our workflow.
  - Used Angular to design pages in the front end for a better UI/UX, and also added new features.
  - Wrote numerous queries in the back end using Java and JDBC to present or store user data.
  - Created and modified tables in the database whenever tasks required to do so.
  - Decreased the time to display core analytical data by more than 50%.
  - Occasionally communicated with a company client for troubleshooting.

## PROJECTS

- **Facial Analyzer** Apr. 2021 - May 2021
  - Built a web app that locates and crops all faces in a user-submitted image.
  - Can guess the person's age, gender, and closest resembling celebrity.
  - Used Docker and Kubernetes to set up a cloud architecture that saves processing time.
  - Worked entirely on the front end design and on setting up the cloud.
- **YouTube Analyzer** Oct. 2020 - Dec. 2020
  - Developed a web app that displays and analyzes YouTube videos given a dataset.
  - Can manipulate the data and display the analytics as line graphs and pie charts.
  - Worked in a team and regularly ensured everyone was on track and doing their work.
- **Depush** Mar. 2020
  - Created a Google Chrome extension that notifies when new items are uploaded onto Depop.com.
  - Refreshes itself in the background periodically and uses the Chrome API to store search terms.
  - Inspired by the same feature in the Depop app and the desire for an improved version on the web.

## SKILLS

- **Languages:** C++, HTML, CSS, JavaScript, Angular, Java, SQL, Python
- **Tools:** Git, MySQL, Trello

## ACTIVITIES

- **Organization**, *Association for Computing Machinery* Apr. 2018 - June 2020
  - Former member and previously received guidance in the mentorship program.
- **Hackathon**, *Cutie Hack* Nov. 2018
  - Worked with a team and presented Reddit Bot to a panel of judges.

## EDUCATION

University of California Riverside  
B.S. Computer Science 2021